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Page 1 of 2 . Z/176

COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE

WASHINGTON, D.C. 20231

APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY.DOCKET.NO | DRAWINGS | TOT CLAIMS | IND CLAIMS | 09/998,392 | 11/29/2001 | 2171 | 824 | AUS920011027US1 | 16 | 12 | 4

CONFIRMATION NO. 7315

FILING RECEIPT

OC000000007212475

Date Mailed: 12/19/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Mr. Volel Emile

P.O. Box 202170

Austin, TX 78720-2170

RECEIVED

Bhupesh Gupta, Lahra Gali, INDIA;

APR 2.2 2003

Assignment For Published Patent Application

International Business Machines Corporation, Armonk, NY;

Technology Center 2100

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 12/19/2001

Projected Publication Date: 05/29/2003

Non-Publication Request: No

Early Publication Request: No

Title

Apparatus and method of highlighting categorized web pages on a web server

Preliminary Class

707

512 336 7297 PAGE.14

JAN 04 2002 08:56

PTO-103X (Rev. 6-99)

FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/409,595		2773		AT-9-99-521	10	27	4

DUKE W YEE CARSTENS YEE & CAHOON LLP P O BOX 802334 DALLAS'TX 75380

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be <u>eure to provide</u> the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted in this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Masing Parts of Application" ("Masing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt Incorporating the requested corrections (if appropriate).

Applicant(s)

CAROLYN BROWN BUERKE, AUSTIN, TX.

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 10/22/99
TITLE

METHOD AND APPARATUS FOR MANAGING LINKS IN A DATA PROCESSING SYSTEM

PRELIMINARY CLASS: 345

RECEV 0CT 2.7 .599 BY: _______

DATA ENTRY BY: THOMAS, SHEILA

TEAM: 06 DATE: 10/22/99







COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231

	T						
APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC	D ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/974,989	10/11/2001	2176	1550	AUS920010197U	31 11	37	9

CONFIRMATION NO. 8101

FILING RECEIPT

'OC000000007068045'

Duke W. Yee Carstens, Yee & Cahoon, LLP P.O. Box 802334 Dallas, TX 75380

Date Mailed: 11/14/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Tai Anh Cao, Austin, TX;

Assignment For Published Patent Application

International Business Machines Corporation, Armonk, NY:

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 11/14/2001

Projected Publication Date: 04/17/2003

Non-Publication Request: No

Early Publication Request: No

Title

Method, apparatus, and program for finding and navigating to items in a set of web pages

Preliminary Class

707



Electronic Docket Fold r ROC9-1998-0222-US1

Responsible Attorney	: Les Payne	Disclosure Number:	ROC8-1998-0332
Task Attorney:	Les Payne	Application Number:	09/292444
Outside Counsel Firm	: JOP	Patent Number:	
Filing Date:	15-Apr-1999	Issue Date:	
Owning Division:	SG	Patent Ownership:	
Application Jurisdiction:	(US) United States of America	Publication Number:	
Priority Jurisdiction:	(US) United States of America	Examination Requested:	
Priority Date:	15-Apr-1999	Search Report Received:	•
IBM to Pay Fees	O Yes O No	PPM Tech Area:	700 - Network Computing
Inventor(s):	C BATES, PR DAY		

Events

19-Oct-1998 DOCKET APPLICATION FOR FILING

15-Apr-1999 File Application - Formal drwgs + Formal papers - no IDS

26-Apr-1999 Receive Postcard - Application Filing

28-Apr-1999 Complete Dossier

18-May-1999 File Request for Corrected Filing Receipt

20-May-1999 Receive Official Filing Receipt

23-Jul-1999 Receive Notice of Assignment & Recordation

10-Aug-1999 File Request for Change of Correspondence Address

10-Aug-1999 File Request for Change of Correspondence Address

16-Aug-1999 Receive Postcard - General

13-Sep-1999 Receive Corrected Filing Receipt

2-Oct-1999 Migration Event

15-Oct-1999 Complete FDT

26-Dec-2000 Receive Notice of Confirmation Number Assignment

24-Jan-2002 File Status Inquiry

25-Feb-2002 Receive Postcard - General

28-Mar-2002 Receive Office Action (Non-Final)

9-Apr-2002 Receive Response to Status Inquiry

17-Jun-2002 File Amendment (Response to Office Action

10-Sep-2002 Receive Office Action (Final)

11-Nov-2002 File Amendment- After-Final

3-Dec-2002 Receive Office Action (Advisory Action)



Searcher: Richard A. Booth, Jr.

PATENTABILITY

ooth, Jr. RECEIVED MAR 2 0 2003

RECEIVED

Search Report for: Leslie Van Leeuwen

APR 2.2 2003

Search Request No: AUS8-03-0251

Technology Center 2100

Title: A Method for narrowing the focus of URLs with user-defined anchors.

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What features were searched for?

A method or means for specifying a specific point of focus within a document. A browser that supports named anchors will treat a named anchor as a search target if no such named anchor exists in the target page. This could be implemented in the browser or by using a proxy.

Field of Search:

MANUAL

709/227, 206 707/526, 517, 513, 500, 501, 501.1, 2 395/762, 603 379/1.01 364/140 G06F 17/30, 11/34, 17/00, 17/21

(Foreign art and literature was searched in all Subclasses.)

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<u>U.S</u> . [x] East/West []DTWS [x IOPAT	FOREIGN [x] WPAT [x] JAPIO	IBM [x] TDBs [] IBMB	LITERATURE [X] INSPEC [] COMPENDEX
[x]QPAT	[] ACM	[x] DOSS	[x] IBM IPL NET

RELATED ART			BACKGROUND ART			
Reference No.	Pub. Date	Class/ Subclass	Reference No.	Pub. Date	Class/ Subclass	
WO0237322 A2	05/19/2002	G06F 17/30	US20020147 741A1	10/10/2002	707/500	
WO0159612 A2	08/16/2001	G06F 17/30	US20020091 836A1	07/11/2002	709/227	
JP11039310 A	02/12/1999	G06F 17/30	6006217	12/21/1999	707/2	
			6061700	05/09/2000	707/517	
			5987482	11/16/1999	707/513	
		·				

Non-Patent Literature Non-Patent Literature IBM DOSSIER# AUS919970254 Yaten # 5982370 V IBM DOSSIER# ROC919980222 IBM DOSSIER# AUS90011027 IBM DOSSIER# AUS920010197 -

IBM DOSSIER# AUS919990521

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How Does Each of the Related Art References Correspond to the Search Features (Claims, if Validity/Clearance)?

1) World Patent WO0237322A2 (Konninkijke Philips Electronics N.V.) appears to describe a method for displaying information content enabling user-friendly navigation through content. When the user accesses information content typically contained in a Web page, a cursor is initially positioned such as to indicate an element of information content in that Web page that was determined from a user's profile to be of likely interest. In one example, an Internet Browser positions the cursor, upon access of a Web page, for indicating the hyperlink most frequently requested by the user in given past period. (Abstract). Several objects of the present invention are to provide an efficient alternate method for assisting a user in navigating through information content; provide a user-friendly method for displaying information content; determine a user profile; determining from the profile, an element among a plurality of elements of an information content; displaying a portion of the information content, and indicating the element of the information content. A portion of the information content is displayed and the determined element is indicated on the information content. (Pg 2, lines 10-27).

- 2) World Patent WO0159612A2 (Adscience LTD.) appears to describe a client side data processing apparatus configurable for use with a computer system having a Browser and a method of operation thereof that is configured to process a block of information requested and received over a telecommunications network. The information comprises potentially required data content and tag type mark up language commands for controlling the display of potentially required data content by a given Browser. The apparatus comprises a means for identifying a plurality of types of received tag type commands; and means configurable to process the received and identified tag type commands according to a pre-defined set of rules. Processing may include identification of particular data types within the read content data and processing of any identified content data accordingly, such as, for example, via matching with a key words list. (Abstract).
- 3) Japanese Patent JP11039310A (Fujitsu LTD.) appears to describe a method for automatically generating an HTML document and also to highlight a result, etc. which is retrieved and accumulated by detecting a selection page from a file that associates image information with its coordinate value and attribute information and further generating an HTML document that shows the attribute information. (Abstract).

What features do the Background References Show?

1) US Patent Application US20020147741A1 (Tatsuya Hashimoto) appears to describe a method and apparatus for facilitating using URL data with a hand-held data processing apparatus, which is coupled to a communication network. Provided methods include selecting a desired URL data using a selection button when a Web page is displayed, and registering the URL data for the displayed

Web page and URL data corresponding to one or more link points in the Web page. (Abstract). Highlighting one line in the page display area such as, for example, by displaying a "netting" around the line may represent the active cursor. Of course, it is possible to indicate a character or a line in the display area by other techniques for character decoration over the "netting" for a one-line range using the source data. For example, the credit display may be distinguished from other portions by displaying the character using a display mode having reversed foreground and background colors. [0051].

- 2) US Patent Application US20020091836A1 (John Brent Moetteli) appears to describe a browsing method that enables concentrated Web browsing by requiring that a user concentrate on one project at a time. The method creates a GUI having a project search capability and, during browsing, input fields, which demand certain user responses and which enable the user to postpone executing a potentially unrelated line of research until such time as the project at hand is terminated. Thus, the method allows the time shifting of less directed research sessions and the quantifying and allocation of wasteful online time to the responsible parties. (Abstract). The software uses a custom GUI having input fields that demand certain user responses and which enable and encourage the user to postpone executing a potentially unrelated line of research until at such time as the project at hand is terminated. [0011].
- 3) US Patent 6006217 (IBM Corp.) appears to describe a system and method for providing enhanced search results for searches for documents on the internet. In response to a search request from a user at a client computer, a search engine at a search server performs a search for documents at Internet sites matching the search criteria. A list of matching documents is provided to the client in the form of a hits list. For each document on the hits list, a link is provided to a server, which will provide the document to the client in an enhanced format. Upon selection of such a link for a document, a message is sent to the server, and the server retrieves the document from its home server, and modifies the document to graphically highlight the matches to the search criteria found in the document and logically links the matches, so that selection of one match in the document by the user will automatically cause the client to display the portion of the document having the next sequential match. The server sends the modified document to the client for review by the client. (Abstract).
- 4) US Patent 6061700 (IBM Corp.) appears to describe a method and apparatus for formatting a specified group of related Web pages into

a single Web page. A user defines a number of selected pages and associated relation criteria for each selected page. A formatting mechanism collects the URLs for the selected pages and those related pages based on the relation criteria and stores the URLs in a URL container. The formatting mechanism further invokes each Web page associated to the URLs contained in the URL container and generates a conglomerate page. The conglomerate Web page may include data insert into or referenced in one or more of the selected pages. The conglomerate Web page may then be printed using a standard Browser print function. (Summary of the Invention).

5) UD Patent 5987482 (IBM CORP.) appears to describe a computer system and method that displays internal and external hypertext link definitions in different representations to simplify a user's recognition of the external/internal status of each hyperlink definition in a document. Additional information, such as the direction from an internal hypertext link definition to the location in the document pointed to by that definition, and/or the absolute or relative position of the location pointed to by an internal hypertext link definition, may also be displayed. Moreover, a computer system and method may also display the position of the location pointed to by an internal hypertext link definition on a scroll bar such that location information about a particular document is centralized within a common user interface component. (Abstract).

Comments: A browser that supports user-defined anchors and operates as described in this disclosure, was not found in the search.

Signature	Date returned to WAIPL
Signature 3	3-12-2003 **************



RADDISCIOSURE AUS8-2003-0251

Prepared for and/or by an IBM Attorney - IBM Confidential

Created By Richard Hoffman On 02/18/2003 05:00:54 PM EST Last Modified By Richard Hoffman On 02/19/2003 07:59:43 AM EST

Required fields are marked with the asterisk (*) and must be filled in to complete the form .

*Title of disclosure (in English)

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A Method for narrowing the focus of URLs with user-defined anchors

APR 2.2 2003

Summary

Summary	Technology Center 2100
Status	Under Evaluation
Final Deadline	
Final Deadline	
Reason	
*Processing	Austin
Location	
*Functional Area select	(49) 49 - AIM - SOFTWARE SERVICE AND SUPPORT (J Swainson)
Attorney/Patent Profes	sional Leslie Van Leeuwen/Austin/IBM
IDT Team select	
	Sandra Garcia/Austin/Contr/IBM
	James Smith/Austin/IBM
Submitted Date	02/18/2003 05:38:12 PM EST
*Owning Division select	AIM
Incentive	
Program	
Lab	
*Technology	772
Code	
PVT Score	

Inventors with a Blue Pages entry

Inventors: Richard Hoffman/Austin/IBM

Inventor Name	Serial	Div/Dept	Phone	Manager Name	
> Hoffman, Richard D.	 548191	`7G/K76A	678-0732	McElroy, Mary E. (Mary Ellen)	

Inventor

Inventors without a Blue Pages entry

IDT Selection

Attorney/Patent Professional

Leslie Van Leeuwen/Austin/IBM

Inventor

IDT Team

Leonel Machuca/Austin/Contr/IBM

Sandra Garcia/Austin/Contr/IBM

James Smith/Austin/IBM

Response Due to IP&L 03/19/2003

> denotes primary contact

*Main Idea

1. Background: What is the problem solved by your invention? Describe known solutions to this problem (if any). What are the drawbacks of such known solutions, or why is an additional solution required? Cite any relevant technical documents or references.

Users transmitting URLs to other users often wish to focus on a particular part of the page represented by the URL. If this page has named anchors, and a named anchor applies to the desired point of focus, the sending user can accomplish this by writing the URL to include the named anchor (e.g., "http://w3.ibm.com/mypage.html#myanchor"). However, if there is no relevant anchor available, the sending user must resort to verbal instructions (e.g., go to http://w3.ibm.com/mypage.html, scroll down a few pages, and look for the heading called "My Stuff". Then look at the 3rd paragraph."). This invention provides a better way to accomplish this.

2. Summary of Invention: Briefly describe the core idea of your invention (saving the details for questions #3 below). Describe the advantage(s) of using your invention instead of the known solutions described above.

User-defined anchors provide a means to specify, within the rules of existing HTML, a specific point of focus within a document, and to highlight that point of focus. A browser that supports named anchors will treat a named anchor as a search target if no such named anchor exists in the target page. User-defined anchors can also include instructions for highlighting pages. The advantages of this include:

- being able to specify a URL that focuses directly on any portion of the page.
- being able to highlight portions of the page to better call the reader's attention to them
- accomplishing this without additional HTML syntax
- 3. Description: Describe how your invention works, and how it could be implemented, using text, diagrams and flow charts as appropriate.

A browser supporting user-defined anchors behaves as follows:

- 1. The browser, having located the page represented by a URL, processes the named anchor portion
- 2. If no named anchor in the document matches the named anchor in the URL, the browser assumes it is a user-defined anchor and looks for a piece of text matching the named anchor, with the substitution that " " is assumed to match any amount of white space.
- 3. If the user-defined anchor includes the special character sequence "__" (two underscores), what follows is assumed to be additional instructions, as follows (where "n" is a digit):
 - pn skip n paragraphs after target string
 - sn skip first n instances of target string
 - hw highlight the words of the target string
 - hl highlight the line containing the target string
 - hp highlight the paragraph containing the target string

Example: To locate the second paragraph containing the words "my named anchor" and to highlight that paragraph in a page, the URL would be " http://w3.ibm.com/mypage.html#my named anchor s1hp".

*Patent Valu Tool

* 1. Select the single most appropriate technology category for your invention from the following technologies list.
(772) PPM 700 Network Computing-772 Web access; web browsers; web page functions Comments
Are there any additional significant markets where the invention is likely to have impact? ○ Yes ■ No
*2. Have you implemented the invention (e.g., made a prototype) or otherwise shown that it is workable? Yes No
*3. Has the subject matter of the invention or a product incorporating the invention been offered for sale, or is it likely to be offered for sale, as part of an IBM product or service? No known product plans within 2 years
O Maybe; GA 1-2 years away
Yes; GA within 3-12 months
Yes; GA within 3 months
O Yes; product has been announced
*4. Has the invention been commercially used (internally or externally) by IBM or another entity (e.g., included in or used to make products, or prototypes provided to a customer)? Yes No
*5. In what type of product might a competitor include the invention? Browser or other web navigator
What competitor(s) (indicate home country of such competitors if not United States)? Microsoft, Netscape, AOL
*6. How easily can the use of the invention by a third party be detected? Oundiscoverable; third party must admit use for IBM to know
Difficult; e.g.; with reverse engineering or examination of available code
With work; e.g.; using test cases; but not reverse engineering
 Easily; by running & viewing product operation Trivally; without purchase of product; e.g.; by reading product literature
Trivally, without purchase of product, e.g., by roading product includes
*7. Is the invention applicable to a standard? ● Yes ○ No
What is the standard? HTML
Is IBM participating in the standard? ✓ Yes ✓ No
*8. Have you, or any of the other inventors, submitted this invention disclosure or a similar invention disclosure previously? O Yes No
9. Please list the invention disclosures (previously submitted or about to be submitted), products *patents, or publications that you and the other inventors feel are the most relevant to your invention (e.g., pertaining to the problem you are solving, including other solutions to the problem), be they from you or anyone else, or if not applicable, enter "None": None
* 10. Was the invention made in the course of any activity that involved any other party, be it The government
A customer (such as an RFQ)

•
An alliance
Any contract activity Any contract of a stondards setting settivity
 As part of a standards setting activity Other persons not employed by IBM
Yes No
*11. Have you ever disclosed your invention to anyone outside IBM, or do you plan to do so in the
future?
○ Yes ● No
12. If the invention relates to a product or service that is outside the scope of your business unit, please recommend IBM business unit(s), IBM location(s) or individual(s) within IBM that you think would provide a competent evaluation of your invention: Lotus
All of the questions below are required and must be answered in order to calculate a PVT Score
*1. Operability - Is there an identifiable operable embodiment of the invention (i.e., an embodiment that has been demonstrated or that would be reasonably expected to provide the benefits of the
invention)?
○ Yes ○ No
Reasons for above answer:
*2. Novelty- Are one or more concept(s) of the invention novel over what is already known in the literature, existing commercial products, patents, and earlier IBM invention disclosures? O Yes O No
Reasons for above answer:
3.Valuation Questions
*1. Adequacy of Description:
O Inadequate; invention unclear from description
O Incomplete; essential features missing
O Further clarification or implementation detail needed
O Clear and complete as is
State reason for answer:
*2. Technical contribution of invention:
O None
O Minor addition to known technology
O Significant addition to known technology
O Major advance in technology
Reasons for above answer:
*3. Describe the problem solved/benefit provided and the implementation cost of the invention
compared to existing or reasonably expected alternatives:
O Minor problem/incremental benefit - significant implementation cost
O Significant problem; substantial benefit - significant implementation cost
Minor problem/incremental benefit - minor implementation cost Significant problem/substantial benefit - minor implementation cost
U Naniticant nioniem/elinetantial benetit - minor implementation coet

*4. Are any alternatives to the invention available to those wishing to avoid its use? Suitable alternatives available Alternatives have drawbacks No feasible alternatives Reasons for above answer:	
*5. Describe the likelihood of use of the invention (answer each): IBM's customers?	
*6. What % of third party products in the technical field will likely contain the invention? < 25% 25-50% 50-75% > 75% Reasons for above answer:	
*7. How long is the invention likely to be used in products by IBM or others? < 5 years 5-10 years 10-15 years > 15 years Reasons for above answer:	
*8. How easily can use of the invention by a third party be detected? Undiscoverable; third party must admit use for IBM to know Difficult; e.g.; with reverse engineering or examination of available code With work; e.g.; using test cases; but not reverse engineering Easily; by running & viewing product operation Trivially; without purchase of product; e.g.; by reading product literature Reasons for the above answer, including description of how use could be detected:	
Post Disclosure Text & Drawings To add additional information related to this disclosure once it has been submitted, click the actionation below and a new document will be opened for you to enter the new information. To view existing post disclosure information, double-click on the item in the list below (if there has been additional information entered), and the document will open for you to view. Date entered Post disclosure information (comments and drawings)	

Date entered

Form Revised 09/01/02)

MAR 3 1 2003

MAR 3 1 2003

MAR 3 1 2003

Docket Number: AUS8-2003-0251

Docket Number: AUS9-2003- 030505/

The invention provides a way to specify a specific point of focus within a document. A browser that supports named anchors will treat a named anchor as a search target if no such named anchor exists in the target page. This could be implemented in the browser or using a proxy.

Talk to the inventor and get him to give you as many embodiments as he can think of. Please include claim sets of varying breadth and claim to the extent necessary to fully claim the various embodiments.

2010 3/24/03 RECEIVED

APR 2 2 2003

Technology Center 2100

MAR 3 1 2003

Instentor Information for Docket AUS920030305US1

Richard Dale Hoffman 1321 Wilson Heights Austin, Texas 78746 County - Travis Citizenship - USA

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APR 2.2 2003

Technology Center 2100



ID

International Business Machines Corporation

Intellectual Property Law 11400 Burnet Road Austin, Texas 78758

March 25, 2003

PREPARED BY IBM ATTORNEY

Mr. Volel Emile P.O. Box 202170 Austin, TX 78720-2170

Subject: IBM Docket <u>AUS920030305US1</u>

Dear Volel,

APR 2.2 2003

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Technology Center 2100

You are being retained to prepare a patent application for the above docket.

Enclosed please find an IBM invention disclosure <u>AUS8-2003-0251</u> and supporting material for the Docket. The main concept of the invention to be claimed is summarized in the attachment to this letter. The application is to be prepared according to the Outside Counsel Attorney/Administrative Guidelines for IBM Austin Intellectual Property Law Department.

Inventor <u>Richard Hoffman</u> has been notified that you will be preparing this patent application and has agreed to the schedule set forth below. The inventor's telephone number is <u>838-0732</u>.

From our previous telephone discussion you have agreed to complete the patent application for execution by the inventor (s) and deliver it to us by May 16, 2003 for a fee of \$5000.00, including the IDS. Please sign and return a copy of this letter indicating your agreement.

Please feel free to contact me if you have any questions or concerns.

Sincerely,
Leslie A. Van Leeuwen
Attorney
Intellectual Property Law
512-823-6746

Enclosures

I agree that an execution copy of the above application will be completed and sent to IBM IPLaw on or before May 16, 2003 at a professional fee of \$5,000.00, including IDS.

Attorney Signature Date